Validation for Proposal #001

Please review this page for errors. Missing or invalid required fields are marked with an error, e.g. **MISSING**.

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nasapropno: 001

title: UV Astronomy and the Rebellion.

Total Obs Time: 1.0 ksec
Sum of requested target obtimes: 37.5 ksec

programcategory: STANDARD

PI Info:
   Dr. Leia Organa
   Rebellion University
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Contact Info: Same as PI

Co-Investigators:
   Mr. Han Solo (Rumrunner Inc.)
   Dr. Cutie R2D2 (Institute for Advanced Artificial Intelligence)

Target List

TARGET		
objectname: galaxies_far_far_away		
GALEX Pointing		
RA (hrs): 01:23:45.67	DEC (deg): -06:54:32.1	obtime: 3000
Science Target(s)		
sciencetargetname: redfish_galaxy		
RA (hrs): 01:29:40.2	DEC (deg): -07:01:02.3	sciencetargetsize: 8
sciencetargetname: bluefish_galaxy		
RA (hrs): 01:18:22	DEC (deg): -06:34:03.2	sciencetargetsize: 11
Observation Info		
aperture: IMAGE		

mode: ONE	numsteps: 1	signoise: 10
spectype: B0	colorexcess: 0.22	sourcetype: EE
lambdaref: 1500	fluxlambdaref: 3e-15	fluxacc: Med
FUVONLY: NO	fuvexplain:	
GRAN: NO	granexplain:	
TIMECRITICAL: NO	timecriticalexplain:	
LOWZODI: Yes	lowzodiexplain: Signal to noise on galaxy halo will be too low unless observed during time of low zodi	
TOO: NO	tooexplain:	
MOVE: NO	moveexplain:	
BRIGHTWAIVER: NO	brightwaiverexplain:	
comments:		

TARGET

objectname: galaxies_far_far_away

GALEX Pointing

RA (hrs): 01:23:45.67	DEC (deg): -06:54:32.1	obtime: 15000

Science Target(s)

sciencetargetname: redfish_galaxy		
RA (hrs): 01:29:40.2	DEC (deg): -07:01:02.3	sciencetargetsize: 8
sciencetargetname: bluefish_galaxy		
RA (hrs): 01:18:22	DEC (deg): -06:34:03.2	sciencetargetsize: 11

Observation Info

aperture: GRISM	grismpre: Pre-image will be 1 orbit image also in this progam (above)	
mode: ONE	numsteps: 1	signoise: 10
spectype: B0	colorexcess: 0.22	sourcetype: EE
lambdaref: 1500	fluxlambdaref: 3e-15	fluxacc: Med
FUVONLY: NO	fuvexplain:	
GRAN: YES	granexplain: bluefish_galaxy is oriented edge-on at 45degrees E of N. We want to obtain spectra of the gas above and below the plane, so want to avoid grism orientations that would place the dispersion along the galaxy major axis, or between 20 and 70 E of N	
TIMECRITICAL: NO	timecriticalexplain:	
LOWZODI: Yes	lowzodiexplain: Signal to noise on galaxy halo will be too low unless observed during time of low zodi	

TOO: NO	tooexplain:
MOVE: NO	moveexplain:
BRIGHTWAIVER: NO	brightwaiverexplain:

comments:

TARGET

objectname: Tatooine's Star

GALEX Pointing

RA (hrs): 06:15:54.32	DEC (deg): 49:39:29.7	obtime: 4500

Science Target(s)

sciencetargetname: Tatooine's Star

RA (hrs): 06:05:54.32	DEC (deg): 49:25:38.7	sciencetargetsize: 0.5

Observation Info

aperture: IMAGE		
mode: ONE	numsteps: 1	signoise: 10
spectype: G1	colorexcess: 0.32	sourcetype: PC
lambdaref: 1500	fluxlambdaref: 2.5e-14	fluxacc: med
FUVONLY: NO	fuvexplain:	
GRAN: NO	granexplain:	
TIMECRITICAL: NO	timecriticalexplain:	
LOWZODI: NO	lowzodiexplain:	
TOO: NO	tooexplain:	
MOVE: NO	moveexplain:	
BRIGHTWAIVER: Yes	brightwaiverexplain: NUV-bright star to SW is 2000cps above nominal NUV limit. Cannot move field center further NE without getting an even-brighter out-of-field star too close (10,000cps above nominal limit).	

comments: Field position offset from science target to avoid nearby bright star.

TARGET

objectname: The Death Star

GALEX Pointing

RA (hrs): ??:??:??	DEC (deg): ??:??:??	obtime: 15000

Science Target(s)

sciencetargetname: The Death Star

RA (hrs): ??:??:??	DEC (deg): ??:??:??	sciencetargetsize: 3

sciencetargetname: Darth Vader's Shuttle

RA (hrs): ??:??:??	DEC (deg): ??:??:??		sciencetargetsize: .05
sciencetargetname: Rebel Planet			
RA (hrs): ??:??:??	DEC (deg): -??:??:??		sciencetargetsize: 20
Observation Info			
aperture: IMAGE			
mode: ONE	numsteps: 1		signoise: 5
spectype: K0	colorexcess: N/A		sourcetype: EC
lambdaref: 2500	fluxlambdaref: 3.5e-13		fluxacc: HIGH
FUVONLY: NO	fuvexplain:		
GRAN: NO	granexplain:		
TIMECRITICAL: YES	timecriticalexplain: Need 10 consecutive orbits		
LOWZODI: NO	lowzodiexplain:		
TOO: YES	tooexplain: Program will be triggered by signal lasers from rebel freehold planet 3 weeks before desired observations.		
MOVE: Yes	moveexplain: Science targets are moving relative to planet which is also moving		
BRIGHTWAIVER: NO	brightwaiverexplain:		
comments: Because planet's primary star is type K0, it will be brighter in NUV than FUV, but will not be too bright to be dangerous to detectors.			

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